

REMARKS

Claims 1-4, 6-10, 12-17 and 19-24 have been amended. Claims 25-29 are newly submitted. Claims 1-29 are pending. No new matter has been added. Reconsideration is respectfully requested in view of the amendments and these remarks.

Claims 1-25 stand rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent No. 6,292,829 ("Huang").

Huang discloses a network management device that supports two network management protocols – simple network management protocol SNMP and common management information protocol CMIP – using a single object-oriented management information database (MIB) 30. (See abstract; Fig. 3). To this end, Huang provides (object-oriented) CMIP operations that operate on object-oriented MIB 30 (col. 8, ll. 1-2; col. 1, l. 67 – col. 2, l. 2). Huang further provides techniques for translating SNMP operations into an equivalent object-oriented CMIP operations (col. 3, ll. 9-10; col. 8, l. 30 – col. 9, l. 19).

Claim 1 as amended calls for “extracting a subset of information from [a] non-object oriented MIB describing at least one aspect of [a] network device” and “generating a set of object-oriented classes and object-oriented methods corresponding to the subset of information in the non-object oriented MIB”.

Such a method has a potential advantage of providing a set of object-oriented classes and object-oriented methods that correspond to various network devices that each may have a unique MIB definition depending upon capabilities and operating characteristics of each network device (specification page 9, lines 19-22).

First, Huang fails to disclose extracting a subset of information from a non-object oriented MIB describing at least one aspect of a network device. As discussed above, Huang provides an object-oriented MIB 30.

Second, Huang fails to disclose generating a set of object-oriented classes and object-oriented methods corresponding to the subset of information in the non-object oriented MIB. Though Huang does provide an object-oriented MIB 30, Huang is silent as to how the

object-oriented MIB 30 is generated. Huang generally states only that the object-oriented MIB 30 is formed as a result of loaded operational software (col. 4, ll. 53-56; col. 5, ll. 30-35).

Huang cannot disclose all the elements of claim 1. Therefore claim 1, and the claims depending therefrom should be allowable.

In addition, claim 3 as amended recites “extracting information from the non-object oriented MIB further includes lexically recognizing a set of tokens corresponding to a set of network parameters that describes aspects of the network device and parsing the tokens according to a hierarchical relationship between the set of parameters” and “generating a set of object-oriented classes and object-oriented methods includes generating a set of object-oriented classes and object-oriented methods corresponding to the lexically recognized and parsed tokens”.

The Examiner contends that Huang “teaches extracting information in the MIB further includes lexically recognizing a set of tokens corresponding to a set of network parameters that describes aspects of a network device and parsing the tokens according to a hierarchical relationship between the set of parameters”. Even assuming that the Examiner is correct, Huang fails to disclose “generating a set of object-oriented classes and object-oriented methods corresponding to the lexically recognized and parsed tokens” as required by claim 3. Huang at column 3, lines 1-10, describes a method of translating a SNMP operation into an equivalent CMIP (object-oriented) operation, which is further described in greater detail at column 8, line 30 – column 9, line 19. It is clear that this discussion does not correspond to generating a set of object-oriented classes and object-oriented methods.

Claim 8 as amended recites “providing a non-object oriented management information database (MIB) including information related to one or more aspects of a network device” and “using a set of object-oriented classes and object-oriented methods that corresponds to the non-object oriented MIB and information related to one or more aspects of the network device”.

As discussed above, Huang provides an object-oriented MIB 30. Huang therefore fails to teach or suggest providing a set of object-oriented classes and object-oriented methods that

correspond to an non-object oriented MIB as required by claim 8. Claim 8, and the claims depending therefrom, are therefore also allowable over Huang.

Claims 14, 22 and 24 each recites an apparatus that corresponds to claim 1. Claims 14, 22 and 24, and the claims depending therefrom, are therefore allowable for similar reasons as set forth above with respect to claim 1.


Claim 23 recites an apparatus that corresponds to claim 8. Claim 23 is therefore allowable for similar reasons as set forth above with respect to claim 8.

Claim 21 recites "a first storage area configured to store a non-object oriented management information base (MIB)" and "a second storage area configured to store a set of object-oriented classes and object-oriented methods that corresponds to the non-object oriented MIB". As discussed above, Huang provides an object-oriented MIB 30. Huang therefore fails to disclose a first storage area configured to store a non-object oriented management information base (MIB) as required by claim 21. Huang further fails to disclose a second storage area configured to store a set of object-oriented classes and object-oriented methods that correspond to the non-object oriented MIB, as required by claim 21.

Enclosed is a \$176.00 check for excess claim fees. Please apply any other charges or credits to deposit account 06-1050.

Respectfully submitted,

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